

Fig. 1 Internal DNA sequence of the Phl p 4 gene

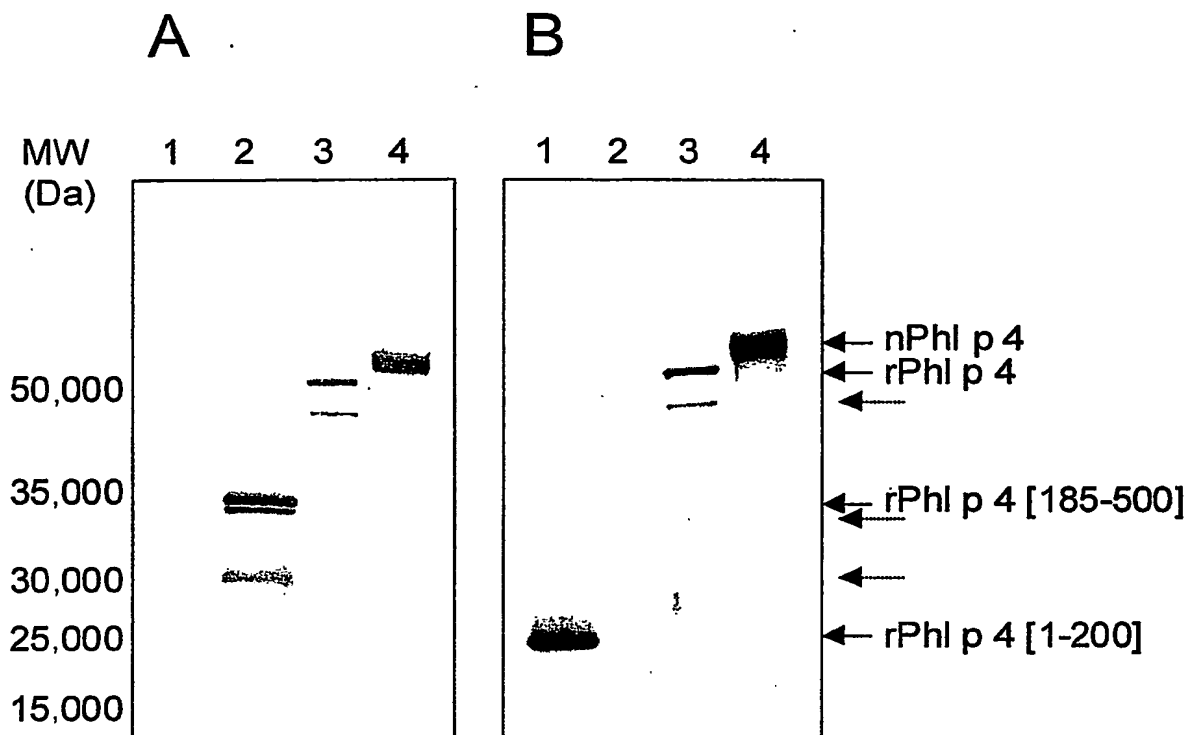
C	A	C	C	G	G	A	A	G	G	G	G	T	G	C	T	G	T	T	C	A	A	C	A	T	C	C	A	G	T	A	C	G	T	C	A	<u>A</u>	
C	T	A	C	T	G	G	T	T	C	G	C	C	C	C	G	G	G	A	G	C	C	G	G	C	G	C	G	G	C	G	C	C	A	T	T	G	<u>T</u>
C	G	T	G	G	A	G	C	A	A	G	G	A	G	A	T	C	T	A	C	A	A	C	T	A	C	A	T	G	G	A	G	C	C	G	T	A	C
G	T	G	A	G	C	A	A	G	G	A	C	C	C	C	G	T	C	C	A	G	G	C	C	T	A	C	G	C	C	A	A	C	T	A			

Fig. 2 **3' end of the nucleic acid sequence of the Phl p 4 gene**

A C T A C T G G T T C G C C C C G G G A G C C G G C G C G G C
G C C A T T G T C G T G G A G C A A G G A G A T C T A C A A C
T A C A T G G A G C C A T A C G T G A G C A A G A A C C C C A
G G C A G G C C T A C G C C A A C T A C A G G G A C A T C G A
C C T C G G G A G G A A C G A G G T G G T G A A C G A C G T C
T C C A C C T T C A G C A G C G G T T T G G T G T G G G G C C
A G A A A T A C T T C A A G G G C A A C T T C C A G A G G C T
C G C C A T C A C C A A G G G C A A G G T G G A T C C C A C C
G A C T A C T T C A G G A A C G A G C A G A G C A T C C C G C
C G C T C A T C A A A A A G T A C T G A

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Fig. 4 **Determination of the identity of recombinant Phl p 4 (rPhl p 4) by means of the monoclonal antibodies 5H1 (blot A) and 3C4 (blot B) by Western blot**



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Fig. 5 **Determination of the reactivity of recombinant Phl p 4 (rPhl p 4) with IgE from sera of grass pollen allergy sufferers by Western blot**

